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***************************************				earch: INSPEC - 1969 to date (INZZ)	**********
***************************************			***************************************		

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	(hologram\$1 OR holograph\$2 OR switch\$3) AND substrate\$1 WITH (light\$1 OR signal\$1) WITH (total OR internal) ADJ reflect\$3	unrestricted	8	show titles
2	INZZ	(hologram\$1 OR holograph\$2 OR switch\$3) SAME substrate\$1 WITH (light\$1 OR signal\$1) WITH (total OR internal) WITH reflect\$3 SAME diffract\$3	unrestricted	3	show titles

hide | delete all search steps... | delete individual search steps...

Enter your search term(s): <u>Search tips</u>		
	whole document	
Information added since: or: none (YYYYMMDD)		search

Select special search terms from the following list(s):
Classification codes A: Physics, 0-1
Classification codes A: Physics, 2-3
Classification codes A: Physics, 4-5
Classification codes A: Physics, 6
Classification codes A: Physics, 7
Classification codes A: Physics, 8
Classification codes A: Physics, 9
Classification codes B: Electrical & Electronics, 0-5
Classification codes B: Electrical & Electronics, 6-9
Classification codes C: Computer & Control
Classification codes D: Information Technology

Updated Search Query Case No. 09/905,736

578	substrate\$1 with (internal adj reflection)	US-PGPUB; USPAT;
	•	EPO; JPO;
		DERWENT, IBM_TD
382	substrate\$1 with (total adj internal adj reflection)	US-PGPUB; USPAT;
	· · · · · · · · · · · · · · · · · · ·	EPO; JPO;
		DERWENT; IBM_TD
19	substrate\$1 with signal\$1 with (total adj internal adj reflection)	US-PGPUB; USPAT;
, ,	Cabonatov Financignary Finan (total aug internal aug renestion)	EPO; JPO;
		DERWENT; IBM_TD
27	substrate\$1 with signal\$1 with (internal adj reflection)	US-PGPUB; USPAT;
	Cabonato Francisco International California	EPO; JPO;
		DERWENT; IBM_TD
31	substrate\$1 with signal\$1 with (internal adj reflection\$1)	US-PGPUB; USPAT;
51	Substrate of With Signal of With (Internal au Ferrestion of)	EPO; JPO;
	•	DERWENT; IBM_TD
1262	substrate\$1 with signal\$1 with (reflection\$1)	US-PGPUB; USPAT;
1203	Substrate of with signal of with (Tellection of)	EPO; JPO;
		DERWENT; IBM_TD
56	substrate\$1 with signal\$1 with ((total or internal) adj reflection\$1)	US-PGPUB; USPAT;
50	Substitute of With Signal of With ((total of linternal) adjite nection of the	EPO; JPO;
		DERWENT; IBM_TD
21	(substrate\$1 with signal\$1 with ((total or internal) adj reflection\$1))	US-PGPUB; USPAT;
21	and (substrate\$1 with (top or above))	EPO; JPO;
	and (substrates) with (top of above))	DERWENT; IBM_TD
	322218	
1	226647	
	(385/14).CCLS.	US-PGPUB; USPAT;
3000	(383/14).COLS.	USOCR; EPO; JPO;
		DERWENT; IBM_TD
1024	(385/15).CCLS.	US-PGPUB; USPAT;
1934	(365/15).CCLS.	USOCR; EPO; JPO;
0775	(005/40 47 40) 001 0	DERWENT; IBM_TD
2//5	(385/16,17,18).CCLS.	US-PGPUB; USPAT;
		USOCR; EPO; JPO;
1001	(005/07 100 100 101) 001 0	DERWENT; IBM_TD
4204	(385/37,129,130,131).CCLS.	US-PGPUB; USPAT;
		USOCR; EPO; JPO;
<u> </u>		DERWENT; IBM_TD
312	(359/13).CCLS.	US-PGPUB; USPAT;
		USOCR; EPO; JPO;
		DERWENT; IBM_TD
10965	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.) or	I B
	((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)	EPO; JPO;
		DERWENT; IBM_TD
954	(((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.)	
954	(((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.) or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and (hologram or holograph\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TD

19	((((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.)	US-PGPUB; USPAT;
	or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and	EPO; JPO;
1	(hologram or holograph\$2)) and (substrate\$1 with (light\$1 or	DERWENT; IBM_TDB
	signal\$1) with ((total or internal) adj reflection))	
64	(((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.)	US-PGPUB; USPAT;
04	or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and	EPO; JPO;
	(substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj	DERWENT; IBM_TDB
	reflection))	DERWENT, IDIN_100
11126	((385/14).CCLS.) or ((385/15).CCLS.) or	US-PGPUB; USPAT;
	((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or	EPO; JPO;
	((359/13).CCLS.)	DERWENT; IBM_TDB
960	(((385/14).CCLS.) or ((385/15).CCLS.) or	US-PGPUB; USPAT;
	((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or	EPO; JPO;
	((359/13).CCLS.)) and (hologram or holograph\$2)	DERWENT; IBM_TDB
19	(((((385/14).CCLS.) or ((385/15).CCLS.) or	US-PGPUB; USPAT;
	((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or	EPO; JPO;
	((359/13).CCLS.)) and (hologram or holograph\$2)) and	DERWENT; IBM_TDB
	(substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj	
	reflection))	
19	((((385/14).CCLS.) or ((385/15).CCLS.) or	US-PGPUB; USPAT;
	((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or	EPO; JPO;
	((359/13).CCLS.)) and (hologram or holograph\$2)) and	DERWENT; IBM_TDB
	(substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj	
	reflect\$3))	
66	(((385/14).CCLS.) or ((385/15).CCLS.) or	US-PGPUB; USPAT;
	((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or	EPO; JPO;
ļ	((359/13).CCLS.)) and (substrate\$1 with (light\$1 or signal\$1) with	DERWENT; IBM_TDB
1	((total or internal) adj reflect\$3)) 20020047129	LIS-PGPLIR
1	("6212314").PN.	USPAT; USOCR
	substrate\$1 with signal\$1 with (internal adj reflection\$1)	US-PGPUB; USPAT;
	,	EPO; JPO;
		DERWENT; IBM_TDB
69	substrate\$1 with signal\$1 with ((total or internal) adj reflection\$1)	US-PGPUB; USPAT;
		EPO; JPO;
		DERWENT; IBM_TDB
26	(substrate\$1 with signal\$1 with ((total or internal) adj reflection\$1))	US-PGPUB; USPAT;
	and (substrate\$1 with (top or above))	EPO; JPO;
		DERWENT; IBM_TDB_
12161	((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.) or	The state of the s
	((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)	EPO; JPO;
		DERWENT; IBM_TDB
1099	(((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.)	US-PGPUB; USPAT;
	or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and	EPO; JPO;
	(hologram\$1 or holograph\$2)	DERWENT; IBM_TDB
76	(((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.)	US-PGPUB; USPAT;
	or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and	EPO; JPO;
l .	1/=	
	(substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj	DERWENT; IBM_TDB

12333	((385/14).CCLS.) or ((385/15).CCLS.) or	US-PGPUB; USPAT;
	((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or	EPO; JPO;
	((359/13).CCLS.)	DERWENT; IBM_TDB
12333	((385/14).CCLS.) or ((385/15).CCLS.) or	US-PGPUB; USPAT;
	((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or	EPO; JPO;
	((359/13).CCLS.)	DERWENT; IBM_TDB
77	(((385/14).CCLS.) or ((385/15).CCLS.) or	US-PGPUB; USPAT;
		EPO; JPO;
	((359/13).CCLS.)) and (substrate\$1 with (light\$1 or signal\$1) with	DERWENT; IBM_TDB
	((total or internal) adj reflection\$1))	52. ((V2. (1), 1510 <u>-</u> 155
26	((((385/14).CCLS.) or ((385/15).CCLS.) or	US-PGPUB; USPAT;
20	1,,,,	EPO; JPO;
	((359/13).CCLS.)) and (hologram\$1 or holograph\$2)) and	DERWENT; IBM_TDB
		DERVENT, IBIVI_106
	(substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj	
	reflection\$1))	HODAT HOOOD
	("4753513").PN.	USPAT; USOCR
	("5561558").PN.	USPAT; USOCR
	("6433911").PN.	USPAT; USOCR
3	US-4753513-\$.DID. OR US-5561558-\$.DID. OR US-6433911-	USPAT
-	\$.DID.	
	(("6433911").PN.) and (substrate with (quartz or sapphire))	USPAT
	(("6433911").PN.) and (substrate)	USPAT
0	(("6433911").PN.) and (holograph\$3)	USPAT
1	20020048423	US-PGPUB
1	20020048423 and holographic	US-PGPUB
1	(("6433911").PN.) and (diffract\$3 with wavelength\$1)	USPAT
0	(("6433911").PN.) and (diffract\$3 with siz\$3)	USPAT
0	(("6433911").PN.) and (diffract\$3 with width\$1)	USPAT
56	(optical adj switch) with holographic	US-PGPUB; USPAT;
		EPO; JPO;
		DERWENT; IBM_TDB
3	(optical adj switch) with diffractive with holographic	US-PGPUB; USPAT;
		EPO; JPO;
Į.		DERWENT; IBM_TDB
25	((optical adj switch) with holographic) and @ad<="20000807"	US-PGPUB; USPAT;
	((opnom aa) onnon, man morejarapme, ama @ara = 20000000	EPO; JPO;
		DERWENT; IBM_TDB
9	(optical adj switch) with diffract\$3 with holographic	US-PGPUB; USPAT;
"	(opinous day ownossy with unitable of with holographilo	EPO; JPO;
		DERWENT; IBM_TDB
<u> </u>	((optical adj switch) with diffract\$3 with holographic) and	US-PGPUB; USPAT;
"	@ad<="20000807"	EPO; JPO;
1	(Wad \ - 20000001	DERWENT; IBM_TDB
1	("6/33011") DN	USPAT; USOCR
	("6433911").PN. (("6433911").PN.) and (electrode\$1)	USPAT, USUCK
	((*6433911*).PN.) and (electrode\$1)	USPAT
	(("6433911").PN.) and (transparent)	USPAT
	20020048423 and (grating adj period\$1)	US-PGPUB
1	20020048423 and (cross adj connection\$1)	US-PGPUB

	(antical adi avitab) with different 2 with heiden \$4	LIC DODLID, LICEAT.
١	(optical adj switch) with diffract\$3 with bridge\$1	US-PGPUB; USPAT;
		EPO; JPO;
		DERWENT; IBM_TDB
1	(optical adj switch) and (diffract\$3 with bridge\$1)	US-PGPUB; USPAT;
		EPO; JPO;
		DERWENT; IBM_TDB
68	diffract\$3 with bridge\$1	US-PGPUB; USPAT;
		EPO; JPO;
		DERWENT; IBM_TDB
5	(diffract\$3 with bridge\$1) and "359"/\$.ccls.	US-PGPUB; USPAT;
		EPO; JPO;
		DERWENT; IBM_TDB
1	("5311360").PN.	USPAT; USOCR
68	diffract\$4 with bridge\$1	US-PGPUB; USPAT;
Į.		EPO; JPO;
		DERWENT; IBM_TDB
3046	diffract\$4 with connect\$4	US-PGPUB; USPAT;
		EPO; JPO;
		DERWENT; IBM_TDB
126	diffract\$4 with cross\$3 with connect\$4	US-PGPUB; USPAT;
		EPO; JPO;
		DERWENT; IBM_TDB
27	(diffract\$4 with cross\$3 with connect\$4) and "359"/\$.ccls.	US-PGPUB; USPAT;
	(difficulty with brosses with confidence) and coo records.	EPO; JPO;
		DERWENT; IBM_TDB
177	diffract\$4 with control\$4 with individual\$2	US-PGPUB; USPAT;
1 '''		EPO; JPO;
		DERWENT; IBM_TDB
54	(diffract\$4 with control\$4 with individual\$2) and "359"/\$.ccls.	US-PGPUB; USPAT;
34	(diffiación with controlog with marvidadión) and 555 74.5515.	EPO; JPO;
		DERWENT; IBM_TDB
27	((diffract\$4 with control\$4 with individual\$2) and "359"/\$.ccls.) and	US-PGPUB; USPAT;
37	((diffraction with controls with mulviduals 2) and 339 /s.ccis.) and (@ad<="20000807"	EPO; JPO;
	@ad<= 20000007	
474	different CA with group CA with two	DERWENT; IBM_TDB
4/4	diffract\$4 with group\$1 with two	US-PGPUB; USPAT;
		EPO; JPO;
	(disserted)	DERWENT; IBM_TDB
336	(diffract\$4 with group\$1 with two) and @ad<="20000807"	US-PGPUB; USPAT;
		EPO; JPO;
		DERWENT; IBM_TDB
72	((diffract\$4 with group\$1 with two) and @ad<="20000807") and	US-PGPUB; USPAT;
1	"359"/\$.ccls.	EPO; JPO;
		DERWENT; IBM_TDB
10942	diffract\$4 with refract\$3	US-PGPUB; USPAT;
		EPO; JPO;
		DERWENT; IBM_TDB
2840	(diffract\$4 with refract\$3) and "359"/\$.ccls.	US-PGPUB; USPAT;
1		EPO; JPO;
		DERWENT; IBM_TDB

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1893	((diffract\$4 with refract\$3) and "359"/\$.ccls.) and @ad<="20000807"	US-PGPUB; USPAT; EPO; JPO;
	<u> </u>	DERWENT; IBM_TDB
197	diffract\$4 with refract\$3 with pair\$1	US-PGPUB; USPAT;
		EPO; JPO;
		DERWENT; IBM_TDE
42	(diffract\$4 with refract\$3 with pair\$1) and "359"/\$.ccls.	US-PGPUB; USPAT;
'-	(annually 1 wan for action with panelly and 1000 / 4.0000.	EPO; JPO;
		DERWENT; IBM_TDB
31	((diffract\$4 with refract\$3 with pair\$1) and "359"/\$.ccls.) and	US-PGPUB; USPAT;
	@ad<="20000807"	EPO; JPO;
	<u> </u>	DERWENT; IBM_TDB
0	diffract\$4 and (jack adj dinh)	US-PGPUB; USPAT;
Ĭ	annuoty and guok daj anni)	EPO; JPO;
		DERWENT; IBM_TDB
337	diffract\$4 and dinh	US-PGPUB; USPAT;
337	difficulty and diffi	EPO; JPO;
		DERWENT; IBM_TDB
17	diffract\$4 and (jack with dinh)	US-PGPUB; USPAT;
' '	annuologa unu guok with uning	EPO; JPO;
		DERWENT; IBM_TDB
1440	modulator\$1 with bridg\$3	US-PGPUB; USPAT;
1110	modulatory i with smaggo	EPO; JPO;
		DERWENT; IBM_TDB
28	(modulator\$1 with bridg\$3) and "359"/\$.ccls.	US-PGPUB; USPAT;
~~	(modulatory) with bridges, and 300 /4.000.	EPO; JPO;
	•	DERWENT; IBM_TDB
20	((modulator\$1 with bridg\$3) and "359"/\$.ccls.) and	US-PGPUB; USPAT;
	@ad<="20000807"	EPO; JPO;
		DERWENT; IBM TDB
1058	(359/290,291).CCLS.	US-PGPUB; USPAT;
	(000,200,200,700,000	USOCR
465	((359/290,291).CCLS.) and @ad<="20000807"	US-PGPUB; USPAT;
,,,,	((Contract)	EPO; JPO;
		DERWENT; IBM_TDB
11	(((359/290,291).CCLS.) and @ad<="20000807") and (mov\$3 with	
	pair\$1)	EPO; JPO;
	F	DERWENT; IBM TDB
1	(("6433911").PN.) and (thickness)	USPAT
	(("6433911").PN.) and (thick\$6)	USPAT
	(("6433911").PN.) and (first with order\$1)	USPAT
	(("6433911").PN.) and (diffract\$3 with order\$1)	USPAT
	(359/290,291,295,222).CCLS.	US-PGPUB; USPAT;
	, 1 7	USOCR; EPO; JPO;
		DERWENT; IBM_TDB
31	((359/290,291,295,222),CCLS.) and (substrate\$1 with (light\$1 or	IUS-PGPUB: USPAT:
	((359/290,291,295,222).CCLS.) and (substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj reflection\$1))	US-PGPUB; USPAT; EPO; JPO;

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	((0.514.0.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.	
32	((((385/14).CCLS.) or ((385/15).CCLS.) or ((385/16,17,18).CCLS.)	US-PGPUB; USPAT; EPO; JPO;
	or ((385/37,129,130,131).CCLS.) or ((359/13).CCLS.)) and	
	(hologram\$1 or holograph\$2)) and (substrate\$1 with (light\$1 or	DERWENT; IBM_TDB
	signal\$1) with ((total or internal) adj reflection\$1))	
32	((((385/14).CCLS.) or ((385/15).CCLS.) or	US-PGPUB; USPAT;
	((385/16,17,18,30,37).CCLS.) or ((385/37,129,130,131).CCLS.) or	EPO; JPO;
	((359/13).CCLS.)) and (hologram\$1 or holograph\$2)) and	DERWENT; IBM_TDB
	(substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj	
	reflection\$1))	
6	(("4693544") or ("5331658") or ("6072925") or ("6501869") or	USPAT; USOCR
	("6631222") or ("6810176")).PN.	
2		US-PGPUB; USPAT
1		US-PGPUB; USPAT
1	20030012483	US-PGPUB; USPAT
16121	((385/14-18,30,37,129,131).CCLS.) or	US-PGPUB; USPAT;
	((359/13,290,291,295,222,566,572).CCLS.)	EPO; JPO;
		DERWENT; IBM_TDB
75	S102 and (hologram\$1 or holograph\$2 or switch\$3) and	US-PGPUB; USPAT;
	(substrate\$1 with (light\$1 or signal\$1) with ((total or internal) adj	EPO; JPO;
	reflect\$3))	DERWENT; IBM_TDB
393	(hologram\$1 or holograph\$2 or switch\$3) and (substrate\$1 with	US-PGPUB; USPAT;
	(light\$1 or signal\$1) with ((total or internal) adj reflect\$3))	EPO; JPO;
		DERWENT; IBM_TDB
47	(hologram\$1 or holograph\$2 or switch\$3) same (substrate\$1 with	US-PGPUB; USPAT;
	(light\$1 or signal\$1) with ((total or internal) with reflect\$3)) same	EPO; JPO;
	diffract\$3	DERWENT; IBM_TDB

Search Results Case No. 09/905,736

Search Results Case	, 		000110
US 4693544 A	USPAT	Optical branching device with internal waveguide	
US 4753513 A	USPAT	Optical type head device	359/566
US 5331658 A	USPAT	Vertical cavity surface emitting laser and sensor	372/50
US 5561558 A	USPAT	Diffractive optical device	359/569
US 5995690 A	USPAT	Front light extraction film for light guiding	385/25
		systems and method of manufacture	
US 6072925 A	USPAT	Optical integrated nodes, and optical	385/24
		communication systems and networks using the	
		optical integrated nodes	
US 6169614 B1	USPAT	Wedged-shape holographic collector	359/15
US 6185015 B1	USPAT	Compact planar optical correlator	359/15
US 6212314 B1	USPAT	Integrated opto-mechanical apparatus	385/30
US 6288829 B1	USPAT	Light modulation element, array-type light	359/291
		modulation element, and flat-panel display unit	
US 6433911 B1	USPAT	Frustrated total internal reflection-based micro-	359/222
	:	opto-electro-mechanical modulator/demodulator	
US 6501869 B1	USPAT	Optical switching system	385/18
US 6549694 B2	USPAT	Optical switching element, switching apparatus	385/18
		and image display apparatus using optical	
		switching element	
US 6631222 B1	USPAT	Reconfigurable optical switch	385/16
US 6643065 B1	USPAT	Variable spacing diffraction grating	359/573
US 6810176 B2	USPAT	Integrated transparent substrate and diffractive	385/37
		optical element	
US 6843574 B2	USPAT	Gimbaled micromechanical rotation system	359/871
EP 322218 A2	EPO	Holographic planar optical interconnect.	
US 20020047129 A	DERWENT	Integrated optical device has diffractive optical	
		element of transparent material, formed above	
		top surface of substrate such that incident light	
		signal is reflected off from substrate along	
	ļ	desired direction of propagation	
US 20020048423 A	DERWENT	Optical switch uses optical gratings or	
		holographic optical element that moves over	}
		substrate between coupling and decoupling	
		positions to evanescent field	
US 20010048265 A1	US-PGPUB	Microelectromechanical apparatus for elevating	310/309
		and tilting a platform	
US 20020047129 A1	US-PGPUB	Integrated transparent substrate and diffractive	257/89
		optical element	222112
US 20020048423 A1	US-PGPUB	Optical switch with moveable holographic optical element	385/10
US 20020159683 A1	US-PGPUB	Mechanical optical switch and method for	385/18
		manufacturing the same	l
US 20030012483 A1	US-PGPUB	Microfluidic control for waveguide optical	385/16
		switches, variable attenuators, and other optical	
		devices	